

In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Previously Presented) An instrument set for fitting an intervertebral prosthesis, comprising a guide device which is configured to be arranged on vertebral bodies and for guiding a tool, an adjustment instrument configured for adjusting the guide device and which comprises an intervertebral plate to be fitted into an intervertebral space with a projecting adjustment rod thereon cooperating with the guide device, wherein the intervertebral plate comprises at least one X-ray marker extending in an anterior-posterior direction for positioning the intervertebral plate in the intervertebral space.

2. (Previously Presented) The instrument set as claimed in claim 1, wherein the surface area of the intervertebral plate is smaller than the surface area of the intervertebral space.

3. (Previously Presented) The instrument set as claimed in claim 1, wherein the intervertebral plate further comprises a transversely extending X-ray marker.

4. (Previously Presented) The instrument set as claimed in claim 1 or 2, wherein at least one X-ray marker is formed by a bore.

5. (Previously Presented) The instrument set as claimed in claim 1, wherein the guide device is designed to be secured to vertebral bodies to be connected by the intervertebral prosthesis and has an opening formed therein which is larger than the intervertebral plate.

6. (Previously Presented) The instrument set as claimed in claim 5, further comprising an intermediate adjustment piece which can be applied to the guide device and is displaceable on the adjustment rod.

7. (Previously Presented) The instrument set as claimed in claim 5, further comprising a gauge for a machining tool applied to the guide device.

8. (Canceled)

9. (Previously Presented) An instrument set for fitting an intervertebral prosthesis into an intervertebral space between vertebral bodies, which instrument set comprises a guide device

configured for guiding at least one tool for working a vertebral body, and an adjustment instrument configured for adjusting the guide device and comprising an intervertebral plate configured to be fitted into the intervertebral space and, projecting from the intervertebral plate, an adjustment rod cooperating with the guide device, wherein the intervertebral plate or the adjustment rod comprises a marking detectable in an anterior-posterior X-ray beam path.

10. (Previously Presented) The instrument as claimed in claim 9, wherein the surface of the intervertebral plate is designed so that it is displaceable in a transverse direction and positionable in the intervertebral space under X-ray control.

11. (Previously Presented) The instrument set as claimed in claim 9, wherein the intervertebral plate comprises an X-ray marker detectable in a latero-medial beam path.

12. (Previously Presented) The instrument set as claimed in claim 9, wherein the guide device is configured to be pushed onto a free end of the adjustment rod, and the adjustment rod and the guide device have interacting surfaces shaped so as to complement one another to give a non-rotational fit, the guide device defining a drill gauge for two drill axes arranged in parallel to one another in a median plane above and below the adjustment rod.

13. (Previously Presented) The instrument set as claimed in claim 12, further comprising two drill gauges arranged on a hub surrounding the adjustment rod.

14. (Previously Presented) The instrument set as claimed in claim 12, further comprising only one drill gauge arranged on a hub surrounding the adjustment rod, the interacting surfaces of the hub and of the adjustment rod fitting together in two positions offset 180° in relation to one another.

15. (Previously Presented) The instrument set as claimed in claim 9, wherein the intervertebral plate is wedge-shaped.

16. (Previously Presented) An instrument set for fitting an intervertebral prosthesis into an intervertebral space between two vertebral bodies, which instrument set comprises an adjustment device consisting of an intervertebral plate positionable in the intervertebral space

and an adjustment rod projecting from the intervertebral plate, and a guide device having a hub which can be pushed onto the adjustment rod and which cooperates with the adjustment rod via complementary surfaces shaped to give a non-rotational fit, wherein the guide device defines two guide axes located in median plane below and above the adjustment rod and extending parallel to the adjustment rod.

17. (Previously Presented) The instrument set as claimed in claim 16, wherein the guide device further comprises a drill gauge and the complementary interacting surfaces of the adjustment rod and of the hub fit together in positions offset 180° in relation to one another.

18. (Previously Presented) An instrument set for fitting an intervertebral prosthesis in an intervertebral space between two vertebral bodies, which comprises:

- a) an adjustment device consisting of an intervertebral plate and an adjustment rod projecting from the intervertebral plate,
- b) a guide device which is supported by the adjustment rod and which forms two guide axes lying in a median plane below and above the adjustment rod and parallel thereto,
- c) a cylindrical turning instrument oriented with respect to the guide axes,
- d) two pins which can be introduced into the vertebral bodies parallel to one another by means of the turning instrument, and
- e) a spreader instrument holding the pins parallel.

19. (Canceled)

20. (Previously Presented) An instrument set for fitting an intervertebral prosthesis into the intervertebral space between two vertebral bodies, which instrument set comprises cutting tools for shaping the intervertebral space so that it matches the shape of the prosthesis comprising a set of rasps assigned to each prosthesis shape, the largest rasp being essentially the same as the prosthesis shape and the other rasps being progressively smaller than the largest rasp.

21. (Previously Presented) A method for implanting an intervertebral prosthesis, comprising:

first removing an intervertebral disk to produce an intervertebral space,
introducing an intervertebral plate having a surface area smaller than the surface area of the intervertebral space and comprising at least one X-ray marker under X-ray control into the intervertebral space and positioning the intervertebral plate in the intervertebral space,
applying a guide device to an adjustment rod projecting in a ventral direction from the intervertebral plate and applied against the vertebral bodies,
working the vertebral bodies with the aid of the guide device, and
finally, fitting the intervertebral prosthesis.

22. (Previously Presented) A method for fitting an intervertebral prosthesis into an intervertebral space between two vertebral bodies, comprising:

first removing an intervertebral disk,
positioning and securing an intervertebral plate of an adjustment instrument in the intervertebral space,
pushing a hub of a guide device onto an adjustment rod projecting from the intervertebral plate in such a way that the guide device defines two guide axes in a median plane above and below the adjustment rod and parallel thereto,
introducing two pins are introduced into the vertebral bodies in the direction of the guide axes,
connecting a distraction forceps to the pins so that they are held parallel to one another,
and
thereafter setting the spacing of the intervertebral bodies, removing the guide device and the adjustment element, and working the intervertebral as desired, thereby fitting the intervertebral prosthesis.

23. (New) An instrument set for fitting an intervertebral prosthesis, comprising a guide device, which is configured to be arranged between vertebral bodies and for guiding a tool, and an adjustment instrument, which is configured for use in adjusting the guide device and which

comprises a part configured to fit into an intervertebral space and a projecting adjustment rod which is configured to cooperate with the guide device,

the part configured to fit into the intervertebral space being an intervertebral plate which has a surface area smaller than a surface area of the intervertebral space such that the intervertebral plate may be fitted accurately relative to surfaces of the vertebral bodies between which the prosthesis is to be arranged.